

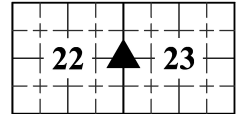
# GREENE COUNTY CORNER PERPETUATION RECORD

Corner ID: 6N5W\_P17

## Quarter Corner

Sections 22 & 23 - T06N – R05W, 2nd P.M.

Taylor Township, Greene County, Indiana



## PERPETUATION RECORD

**MONUMENT:** Describe monument set or found (Include material type, scribing, distance above/below grade, dimensions.)  
6" long mag spike in a 2" diameter aluminum disc stamped "OSER IN PS#21100022" set slightly recessed.

**OTHER EVIDENCE:** Describe corner location relative to nearby features and how to reach the corner location.  
The magspike was set approximately 0.9 feet east of the as-built centerline of Base Line Road.

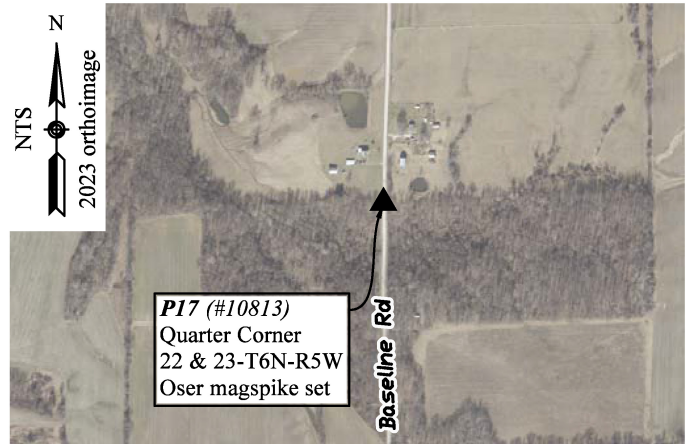
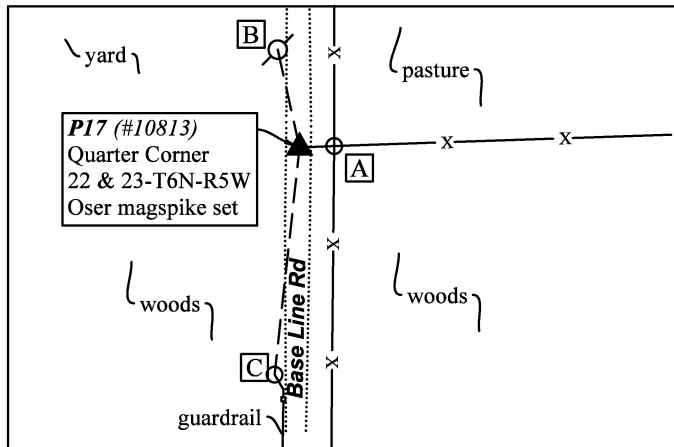
## GEODETIC COORDINATES: (OSM #10813)

Northing	Easting	Datum	Datum Details
296483.05	832631.04	InGCS Greene Zone	US Survey Feet, NAD 83 (2011) epoch 2010.00,
1344504.30	2993238.07	NAD83(2011) IN West Zone	NAVD 88, geoid18_conus.db3

**WITNESS MONUMENT TIES:** Describe at least three witness objects established or work done to preserve existing evidence.

ID	Bearing	Distance	Description
A	N 88° E	26.4'	2" mag nail and 1-1/2" orange plastic disc set 3" above grade on the northwest corner of a 9" x 7" wood post with fence north, south, and east and a Greene County Survey Marker sign nailed to the west side 4.6 feet above grade.
B	N 13° W	76.3'	2" mag nail and 1-1/2" orange plastic disc set 12" above grade on the west side of 12" utility pole UDWI #135332.
C	S 6° W	173.8'	Cut "X" 12" above grade in the top of the northernmost I-Beam post of the guardrail on the west side of Base Line Road.

**MONUMENT LOCATION SKETCH:** Attach a sketch and aerial image.



## CORNER REPORT

**THEORY OF LOCATION:** Describe the theory of location for acceptance of this monument.

The original government land surveyors monumented the section corners and quarter corners of each section with wooden posts in the early 1800s. The task of replacing the original wooden posts with permanent objects such as stones and setting permanent objects at the center of section and other interior aliquot corners was left to the county surveyors (in the 1800s and early 1900s) and later to local surveyors in private practice.

Greene County Surveyor John Kelshaw found the quarter corner stake in 1837. In 1923, Greene County Surveyor H. Schloot found a stone at this corner that was 11.2 feet south of the midpoint between the section corners to the north and south. In 1988, Marston Fowler used physical evidence (the as-built road centerline and the extension of a fence to the west) to establish this corner as opposed to establishing the corner using a purely mathematical solution. Fowler's corner is 19.7 feet south and 22.9 feet west of the proportioned position of the corner based on dimensions from the

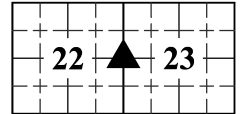
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1923 Schloot survey. Fowler monumented the corner with a nail in a bottle cap. In 2012, James Tibbett did not recover the nail, but calculated the position of the corner based on ties to other monuments from Fowler's survey. We also searched for the nail, and finding nothing but road slag, reestablished the corner based on ties to monuments from Tibbett's survey. The corner is within one foot of the centerline and within one foot of the westerly extension of a fence running east.

**EXISTING SURVEY HISTORY:** Include as much detail and history of the corner as known at the time of perpetuation.

### ORIGINAL GOVERNMENT SURVEY:

Year Surveyed: 1811 By: Arthur Henrie

Where filed or recorded: F\_EV05P466

Original monument: Wooden Post

Bearing Trees	Bearing	Distance
18" w.oak	S 12 W	24 lks = 15.84 ft
20" w.oak	S 65 E	21 lks = 13.86 ft

*No original reference monuments were recovered.*

### SUBSEQUENT LEGAL SURVEY:

See below. Two county surveyors referenced this corner in their surveys but did not witness the monument.

**OTHER SURVEY HISTORY:** Include details such as surveyor name, date, recording info, monument description, etc.

Date	Surveyor	Description	File Location
10/25/1837	Kelshaw, John	Legal Survey in Sec. 23 ( <i>the quarter stake</i> )	LSB1, pg 21
04/09/1923	Schloot, H	Legal Survey in Sections 22 & 23 ( <i>found stone</i> )	LSB5, pg 99
05/27/1988	Fowler Jr., Marston	Survey of the SE/4 of the NE/4 of Sec.22 ( <i>nail in bottle cap at the intersection of road c/l with easterly extension of fence running west</i> )	DE260-245
03/21/2012	Tibbett, James C.	Survey in Section 22 ( <i>calculated per Fowler</i> )	2012-2471

### UNCERTAINTIES IN THE CORNER LOCATION DUE TO:

- Variances in the Monumentation: Without a chain of records to prove the perpetuation of the original wood post, its location relative to the current monument is unknown. Therefore, the uncertainty cannot be determined.
- Discrepancies in the Documents: 26.5 feet (measured vs. legal survey dimensions)
- Inconsistencies in the lines of Occupation: 1 foot.
- Theoretical Uncertainty (Random Errors in Measurement): The Relative Positional Accuracy of this survey is within the specifications for an Indiana Rural Survey (0.26 feet plus 200 ppm) as defined in IAC 865.

### PHOTO IDENTIFIED:



Photo Orientation & Description: Magspike at P17



Photo Orientation & Description: Looking north at P17

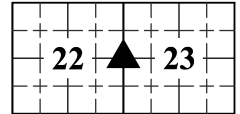
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### FIELD PERSONNEL:

Field Date: 06/21/2023 By: Rachel Oser and Phillip Oser Project: Oser Surveying & Mapping LLC Job# 10248  
Corner Perpetuation Survey for Taylor Township Sections 2, 11, 14 & 23, Township 6 North, Range 5 West

**BASIS OF GEODETIC COORDINATES:** The basis of bearings is the Indiana Geospatial Coordinate System's (InGCS) "Greene" zone NAD 83 (2011) epoch 2010.00, NAVD 88, geoid18\_conus.db3, reported in US Survey Feet and decimal parts thereof. The zone was developed to minimize the differences between ground measured horizontal distances and the corresponding grid coordinate (map) distances within the county. Coordinates are also reported in Grid North System NAD83(2011)/Indiana West NAVD 88, Epoch 2010.0000, geoid18\_conus.db3, US Survey Feet.

Coordinates were established using the Javad GNSS Data Online Processing Service (DPOS) to post-process static observations collected with a Javad Triumph 3 base. Positional values of other points listed herein were determined either from static GNSS (Javad Triumph LS Rover), RTK GNSS (Javad Triumph LS Rover) or radially with a conventional total station (Nikon Nivo) from points established by RTK GNSS. Witness ties were measured with RTK. Bearings and distances are from the magspike to the nail (not to the center of the post or pole).

### CERTIFICATION:

Rachel Oser  
Indiana Professional Surveyor 21100022  
Oser Surveying & Mapping LLC  
4632 E Rocky Road, Bloomfield, IN 47424  
(812) 320-2694 • Rachel@OserSurveying.com

Date: 10/31/2023



This document is not complete without the associated plat and report of even date.